

DATA TRANSMITTING DEVICE AND METHOD, DATA RECEIVING DEVICE AND METHOD, DATA TRANSMITTING/RECEIVING SYSTEM AND METHOD

Publication number: JP10303945

Publication date: 1998-11-13

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Classification:

- International: G11B20/10; G06F21/24; H04L9/08; H04L9/14; H04L9/16; H04L12/28; H04L29/06; H04N7/24; H04L12/64; G11B20/10; G06F21/00; H04L9/08; H04L9/14; H04L12/28; H04L29/06; H04N7/24; H04L12/64; (IPC1-7): H04L12/40; G11B20/10; H04L9/08; H04L9/14; H04L9/16; H04L12/56

- European: H04L29/06; H04L29/06C6B; H04N7/24T6

Application number: JP19970106105 19970423

Priority number(s): JP19970106105 19970423

Also published as:

EP0874503 (A2)
US6539094 (B1)
EP0874503 (A3)
EP0874503 (B1)
DE69832321T (T2)

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Abstract of JP10303945

PROBLEM TO BE SOLVED: To prevent unauthorized utilization of data. **SOLUTION:** The data to be transmitted with a 1394 bus 5 is ciphered by a ciphering and deciphering circuit 24 and a header is added to the data by a header sync detecting and generating circuit 23. After a CRC is added to the data by a CRC detecting and generating circuit 33, the data is packeted to an isochronous packet in an isochronous mode by a transmission/reception switching circuit 21. Among ciphering keys, a session key is transmitted by a packet in an asynchronous mode and a time variable key is transmitted by a packet in the isochronous mode.

